CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore-64.

19th February 2015

Dear Sir,

Sub: Improvements to roads and construction of drains at Suggappa layout in Ward No. 01 of yelahanka Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

Khushboo

(KHUSHBOO L.)
Quality Manager

AE1
14/2
AEK

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Improvements to roads and construction of drains at Suggappa layout in Ward No. 01 of yelahanka Sub Division.
Name of Agency	Sri. Sambashiva Reddy C.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Drain)	22/01/2015	19/02/2015	28	8.18	480	**21.33**	**21.85**
2					8.19	495	**22.00**	
3					8.20	500	**22.22**	

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
Accredited by NABL as per ISO/ IEC 17025 : 2005
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore-64.

14th January 2015

Dear Sir,

Sub: Testing of Materials.

As requested, tests on physical properties were carried out for the materials supplied by you, for the work of **'Improvements to roads and construction of drains at Suggappa layout in Ward No. 01 of yelahanka Sub Division.'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

(KHUSHBOO L.)
Quality Manager

AE1
@ 131
AKE

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Improvements to roads and construction of drains at Suggappa layout in Ward No. 01 of yelahanka Sub Division.
Name of the Agency	Sri. Sambashiva Reddy C.
Date of Testing	13/01/2015
Specific Gravity	2.67
Water Absorption in %	0.28

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	**100**	100	**Satisfies the requirement**
40	**98.7**	95-100	
20	**56.8**	30-70	
10	**23.6**	10-35	
4.75	**3.4**	0-5	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE 1
13/1
AEE

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON FINE AGGREGATES Ref IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Improvements to roads and construction of drains at Suggappa layout in Ward No. 01 of yelahanka Sub Division.
Name of the Agency	Sri. Sambashiva Reddy C.
Date of Testing	13/01/2015
Specific Gravity	**2.55**

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	**100**	100	100	100	100	II
	4.75	**98.8**	90-100	90-100	90-100	95-100	
	2.36	**86.5**	60-95	75-100	85-100	95-100	
	1.18	**74.3**	30-70	55-90	75-100	90-100	
	0.6	**45.8**	15-34	35-59	60-79	80-100	
	0.3	**23.6**	5-20	8-30	12-40	15-50	
	0.15	**8.3**	0-10	0-10	0-10	0-15	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE,
13/1
AEE

Lab Incharge
Civil Tech labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Improvements to roads and construction of drains at Suggappa layout in Ward No. 01 of yelahanka Sub Division
Name of the Agency	Sri. Sambashiva Reddy C.
Date of Testing	13/01/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.8	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	422	415	Satisfactory
6	U T S (N/Sq.mm)	528	485	Satisfactory

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE